

**LLC-MLD5.0D PVC****Low Loss Microwave Coaxial Cable****Construction**

Item	Material	Diameter	Remark
Center Conductor	SPC	1.92 mm ( 0.076 inch )	Silver Plated Copper Solid Wire
Dielectric	LD PTFE	5.64 mm ( 0.222 inch )	Low Density PTFE
Outer Shield	TC Braid & Tin Soaked	6.55 mm ( 0.258 inch )	100% Coverage
Jacket	PVC	7.45 mm ( 0.293 inch )	Blue

**Electrical & Mechanical Data**

Impedance	50 $\Omega$
Frequency Range	18 GHz ( Max. )
Velocity of Propagation	75 %
Capacitance	89 pF/m
Operating Temperature	- 55 $^{\circ}$ C ~ 165 $^{\circ}$ C
Shield Effectiveness	> -100 dB
Working Voltage	3,000 Vrms ( Max. )
Min. Bending Radius	50 mm ( Single )

**Attenuation**

Frequency (GHz)	Max. Attenuation	
	(dB/m)	(dB/ft)
1.0	0.24	0.073
2.0	0.37	0.113
3.0	0.48	0.146
5.8	0.65	0.198
10.0	1.01	0.308